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In re Application of Maresh et al.  
Application Number 09/065,308 Filed 4/23/98  
*Request for access*  
*8/11/04* Paper No. 30

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United States Patent Application Publication No. 5,997,445, page, \_\_\_\_\_ line \_\_\_\_\_

United States Patent Number 5,997,445, column \_\_\_\_\_, line, \_\_\_\_\_ or

WIPO Pub. No. \_\_\_\_\_, page \_\_\_\_\_, line \_\_\_\_\_

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## Maresh et al.

[45] **Date of Patent:** Dec. 7, 1999

- [76] Inventors: **Joseph D. Maresh**, P.O. Box 645, West Linn, Oreg. 97068; **Kenneth W. Stearns**, P.O. Box 55912, Houston, Tex. 77055

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- [22] Filed: Feb. 5, 1999

*Primary Examiner*—Stephen R. Crow

- [63] Continuation-in-part of application No. 08/914,206, Aug. 19, 1997, Pat. No. 5,897,463, and application No. 08/953,308, Oct. 17, 1997, Pat. No. 5,895,339, and application No. 09/065,308, Apr. 23, 1998

- [60] Provisional application No. 60/092,880, Jul. 15, 1998, and provisional application No. 60/102,444, Sep. 30, 1998.

- [51] **Int. Cl.<sup>6</sup>** ..... **A63B 22/00; A63B 69/16**

- [52] **U.S. Cl.** ..... 482/70; 482/51

- [58] **Field of Search** ..... 482/51, 57, 70,  
482/79, 80, 62, 52, 53

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[57] **ABSTRACT**

An exercise apparatus has a linkage assembly which is movably mounted on a frame and links rotation of left and right crank to elliptical movement of left and right foot supporting members. The linkage assembly includes left and right connector links having three discrete connection points. A first connection point on each connector link is rotatably connected to a respective crank. A second connection point on each connector link is constrained to move through a predetermined path relative to the frame. A third connection point on each connector link is connected to a first portion of a respective foot supporting link. A second portion of each foot supporting link is constrained to move through a predetermined path relative to the frame. The path of the foot supporting links may be altered by adjusting a first frame member relative to a second member.

**17 Claims, 6 Drawing Sheets**

